

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No. : 10/608,939 Confirmation No. 6956  
Applicant : Bradley C. Sammann et al.  
Filed : June 26, 2003  
TC/A.U. : 3746  
Examiner :

Docket No. : EH-10570 (02-640)  
Customer No. : 34704

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance Applicants' continued duty of disclosure, the documents on the attached Form PTO-1449 are brought to the Examiner's attention. Copies of the non-US patent documents are enclosed.

German Patent No. 690 569 describes a tangential fuel/air injection method intended to create vortices to enhance mixing in a combustion chamber. This is accomplished with mechanical poppet valves opening and closing to support a design frequency.

German Patent DE 198 50 812 A1 describes a method for isolating and confining fueled air from unfueled air through the use of a cross flow air curtain in a combustor tube. The cross flow is accomplished by a narrow circumferential slit in the combustor tube downstream of both the inlet valve and the spark plug. The intent is to localize the combustible mixture in the front end of the combustor tube with a non-mechanical constriction that will effectively disappear and allow high pressure post heated gases to flow freely after the combustion event.

The undersigned hereby certifies that each item of information contained in the information disclosure statement was

first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

No fee is believed to be due as a result of this response. Should the Commissioner determine that a fee is due, he is hereby authorized to charge said fee to Deposit Account No. 02-0184.

Respectfully submitted,

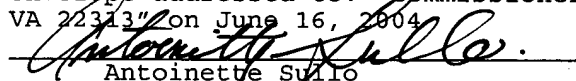
Bradley C. Sammann et al.

By 

William B. Slate  
Attorney for Applicants  
Reg. No. 37,238  
Tel: (203) 777-6628  
Fax: (203) 865-0297

Date: June 16, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313" on June 16, 2004.

  
Antoinette Sullio

+

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

*(use as many sheets as necessary)*

1

1

C

1

10/608,939

June 26, 2003

Bradley C. Sammann

3746

100

EH-10570 (02-640)

[illegible][illegible]

Date Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**